

CONTENT FOR MODULE "Application of finish layers"

Learning outcomes	Theme	Advisable content	Descriptions of acquirement levels for learning outcomes		Theory – practice ratio	
			Satisfactory	Good	Theory 206	Practice 624
<p>Able: to assess the base according to the applied thermal insulation;</p> <p>Knows: the technological sequence of applying finish layers;</p> <p>Understands: the importance of finish layers in insulation operations.</p>	<p>1. Finish layers of thermal insulation systems</p>	1.1. Selecting thermal insulation finish materials by the location of surface to be insulated (interior work, external works, roof, foundations, communications) and technologies of applying coating layers;	Differentiates finish types by external features;	Explains the main types of finish to be applied.	20	32
		1.2. Selecting thermal insulation finish materials according to the applied insulation material;	Characterizes finish layers' materials for interior works, external works, foundations, communications.	Explains the differences of materials for interior works, external works, foundations and communications.	22	24
		1.3. Calculating the consumption of thermal insulation systems' finish materials.			12	12
<p>Able: to apply finish layers to the insulated surfaces, to perform the finish for</p>	<p>2. Technologies for applying finish layers for thermal insulation systems</p>	2.1. Technologies for applying decorative plastering;	Names and performs the work objectives for applying of decorative plastering, applying of facade paints, finish of insulated foundations	Explains and performs the applying of decorative plastering, applying of facade paints, finish of insulated foundations structures and inner	16	120
		2.2. Technologies for applying facade paint;			14	90
		2.3. Finishing structures of insulated foundations;			10	64



<p>insulated foundation structures and inner communication isolation, to eliminate defects originated during the work.</p> <p>Knows: the sequence of finish operations, technologies for applying decorative plastering and facade paint;</p> <p>Understands: the importance of work planning and the technological processes involved in finishing the insulated parts of a building.</p>		<p>2.4. Finishing inner communications isolation;</p> <p>2.5. Mistakes and defects in applying finish layers, terms of use and eliminating defects.</p>	<p>structures and inner communications isolation finish as well as the technologies for applying in accordance with the type of insulation.</p> <p>Following the teacher’s instructions, plans and applies finish layers while observing the technological sequence of operations.</p> <p>Recognizes defects originated in the applying of finish layers.</p>	<p>communications isolation finish objectives and application technologies.</p> <p>Independently plans and applies finish layers while observing the technological sequence of operations.</p> <p>Understands the causes of defects and is able to eliminate them.</p>	<p>2</p> <p>10</p>	<p>48</p> <p>52</p>
<p>Able: to recognize and employ primers, decorative</p>	<p>3. Materials of finish layers for thermal insulation</p>	<p>3.1. Priming materials, their types, features, uses;</p> <p>3.2. Decorative plastering, their types, features,</p>	<p>Recognizes and employs primers, decorative plastering, materials for painting surfaces, plate</p>	<p>Explains the features and importance of priming materials, decorative plastering, materials for</p>	<p>4</p> <p>12</p>	<p>16</p> <p>26</p>

<p>plastering, materials for painting surfaces, plate materials;</p> <p>Knows: the features and uses of priming, painting materials, decorative plastering and plate materials;</p> <p>Understands: the esthetic importance of finish layers for insulated surfaces.</p>	<p>systems</p>	<p>uses;</p> <p>3.3. Materials for surface painting, their types, classification (walls – outer, inner, foundations, roofs), working with them;</p> <p>3.4. Plate materials, uses.</p>	<p>materials.</p> <p>Differentiates between finish materials by external features.</p> <p>Describes finish materials to be used.</p>	<p>painting surfaces, plate materials.</p> <p>Characterizes the difference between various types of finish materials.</p> <p>Characterizes the use of finish materials in a specific area of application.</p>	<p>16</p> <p>4</p>	<p>32</p> <p>16</p>
<p>Able: to select work tools, instruments and accessories for applying finish layers to insulated surfaces, to employ them;</p> <p>Knows: the types and uses of tools, mechanisms and</p>	<p>4. Tools and accessories for applying finish layers on thermal insulation systems</p>	<p>1 Mechanical hand tools, preparing them for work and employing them.</p> <p>2 Electrical hand tools, preparing them for work and employing them.</p> <p>4.1. Machines for applying plastering and paint.</p>	<p>Recognizes, prepares for work and employs various mechanical, electrical tools used for applying finish layers on insulated surfaces as well as machines for applying plastering and paint.</p>	<p>Compares and selects mechanical, electrical tools used for applying finish layers on insulated surfaces as well as machines for applying plastering and paint. Employs them.</p>	<p>4</p> <p>6</p> <p>16</p>	<p>24</p> <p>16</p> <p>36</p>



<p>accessories employed in finishing surfaces to be insulated; Understands: the methods for using mechanical, electrical tools and machines for applying plastering and paint.</p>						
<p>Able: to select individual protection devices for applying finish materials, to act responsibly in dangerous situations while performing the finish operations for insulated surfaces; Knows: electrical and fire safety requirements at the object, first</p>	<p>5. Work and environment protection while applying finish layers</p>	<p>5.1. Work protection, fire and electrical safety in surface finish operations and working with mechanisms, following requirements at the construction object; 5.2. Work hazards in the operations of applying finish layers, working at heights, disassembling, working with chemicals and dust; 5.3. Individual and communal work protection devices; 5.4. Providing first aid in case of emergency at the</p>	<p>Recognizes hazards involved in applying finishing layers, hazards for work at heights and with machinery and mechanisms. Employs individual and communal protection devices while applying finish layers. Follows work safety, fire and electrical safety requirements nt the work place.</p>	<p>Characterizes the impact of hazards involved in applying finish layers on the safety and health of workers. Selects and employs individual and communal protection devices according to work objectives. Complies with fire and electrical safety requirements in the work place and acts accordingly</p>	<p>6 4 2 8</p>	<p>16</p>



<p>aid requirements in finish operations, work and environment protection requirements;</p> <p>Understands: hazards in the work place, the significance of employing individual protection devices and the significance of mutual collaboration of the team, the necessity of work methods that are safe for the employee and preserve the environment in order to create a safe work environment.</p>		<p>object.</p>		<p>in case of emergency</p>		
---	--	----------------	--	-----------------------------	--	--



<p>Able: to resolve conflicts and make decisions; Knows: indications of arguments and conflicts, ways of resolving them; Understands: the importance of conflict resolving and the role of compromises at work.</p>	<p>6. Conflicts, arguments and compromises</p>	<p>6.1. Conflicts, their causes, ways and methods of resolving them; 6.2. Interpersonal and group conflicts; 6.3. Evaluating and making decisions; 6.4. Compromises and their role in interactions.</p>	<p>Recognizes conflicts and arguments, names their types; Knows the ways of resolving conflicts; Names the methods of decision making; Recognizes the method of compromises in mutual collaboration.</p>	<p>Characterizes the types of conflicts and arguments; Resolves conflicts and makes decisions; Explains the factors influencing decision making; Employs the method of compromise for promoting further collaboration.</p>	<p>4 4 4 4</p>	
<p>After mastering this module the student can plan own work, prepare coating materials for work and apply decorative plastering, facade paints, apply coating to insulated foundations and communications, employ various mechanisms and tools. Repairs damaged areas. Complies with work protection and safety requirements according to construction norms, can provide first aid.</p>						
<p>At the module conclusion the student takes an exam consisting of a theoretical and practical part. Theory consists of a test which includes knowledge of:</p> <ul style="list-style-type: none"> • Finish materials by the location of surface to be insulated and type of deposition; • Calculating the consumption of finish materials; • Basic requirements for finish layer's application technology – for decorative plastering, painting, isolation; • Finish materials, their features and uses; • Tools, accessories and small mechanization for applying finish materials on insulation; • Nature and environment protection, work safety. fire and electrical safety in surface finish operations and working with mechanisms; • Ethical attitude towards environment and society. <p>Practical part is passed by performing the following operations individually or in a work group while complying with work safety requirements:</p> <ul style="list-style-type: none"> • Preparing base and applying finish layers according to the surface location and type of insulation materials; 						



- Applying finish layers of decorative plastering, facade paint, foundation structures, communication isolation;
- Determining and eliminating mistakes and defects;
- Selecting and applying finish coat materials;
- Employing tools in applying finish coats;
- Providing first aid in case of emergency at the object.